

217/785-1705

CONSTRUCTION PERMIT

PERMITTEE

Wedron Silica Company  
Attn: Mr. Dave Bach  
3450 East 2056th Road  
Wedron, Illinois 60557

Application No.: 14060036

I.D. No.: 099804AAB

Applicant's Designation:

Date Received: June 25, 2014

Subject: 2014 Modifications

Date Issued: September 26, 2014

Location: 3450 East 2056th Road, Wedron, LaSalle County

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of changes to the Wedron II process that add silos, conveyors and elevators and 2 baghouses to the Dryer Building and the Dry Surge Operations as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This permit authorizes a project involving the Wedron II process in the Dryer Building and the Dry Surge Operations. The project would add sand processing equipment including silos, conveyors and elevators along with two new baghouses (the affected units). The new equipment would allow the existing Wedron II process to simultaneously feed sand to the existing Wedron II rail or truck loadout areas and the Technisand Wedron Plant. The Wedron II equipment would have emissions controlled by existing baghouse BH5-010. The new equipment in the Dryer Building and Dry Surge operations would have emissions controlled by the two new baghouses, BH3-100 and BH3-200, respectively.
- b. This permit is issued based on these changes not increasing the throughput of the existing sand mining operations or the existing sand processing plant.
2. This permit does not relax or otherwise revise any requirements or conditions that apply to the operation of the source, including applicable emission standards, testing, monitoring, recordkeeping, and reporting requirements.
3. This permit is issued based on the affected units not being subject to the NSPS, 40 CFR 60 Subpart 000, because this facility does not crush or grind sand, so that it does not constitute a nonmetallic mineral processing plant, as defined by 40 CFR 60.671.
- 4a. The affected units are subject to 35 IAC 212.123, which generally provides that the opacity of smoke or other particulate matter from each affected unit shall not exceed 30 percent.

- b. The affected units are subject to 35 IAC 212.301, which provides that the emissions of fugitive PM from any process, including any material handling or storage activity shall not be visible by an observer looking generally toward the zenith at a point beyond the property line of the source, except when the wind speed exceeds 25 miles per hour, as provided by 35 IAC 212.314.
- c.
  - i. The affected units are subject to 35 IAC 212.321(b)(1), which provides that no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.321(c).
  - ii. For this purpose, the collection of emissions units controlled by each baghouse shall be considered similar units and the process weight rate of this collection of emission units shall be the sum of the process weight rates of the individual emission units that are being controlled.
- 5. This permit is issued based on the project not constituting a major modification subject to the federal Prevention of Significant Deterioration rules (PSD) 40 CFR 52.21, because the increases in emissions are less than significant and the source is not a major source. (See Condition 6(d)(iii) of Construction Permit 11120017.)
- 6a. The amount of material handled by the affected units shall not exceed 262,800 tons per month and 2,628,000 tons per year. Compliance with this annual limit and other annual limits set by this permit shall be determined from a running total of 12 months of data, i.e., from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
- b.
  - i. The design airflow rate through Baghouse BH3-200, controlling emission units BC3-085, BC3-095, BC3-105, SS3-010, and SS3-020 shall not exceed 10,000 scfm.
  - ii. The design airflow rate through Baghouse BH3-100, controlling emission units BC3-030, BC3-040 and BC3-205 shall not exceed 15,000 scfm.
  - iii. This permit is issued based on no increase in emissions from Baghouse BH5-010 as a result of adding emission units EL5-070, VS5-060, SB5-050, VS5-040, VS5-050, BC5-015, BC5-016, BC5-017, BC5-018, SB5-100, SB5-110, SB5-120, SB5-130,, BC5-100 and EL5-100 to the equipment that is controlled by this baghouse, which has sufficient airflow capacity to accommodate the additional emission units.

- c.
  - i. Emissions of PM from all units controlled by Baghouse BH3-200, in total, shall not exceed 0.43 pounds/hour and 1.9 tons/year.
  - ii. Emissions of PM from all units controlled by Baghouse BH3-100, in total, shall not exceed 0.64 pounds/hour and 2.8 tons/year.
- 7. The Permittee shall keep the following records:
  - i. A file or other records that contain:
    - A. The rated or design capacity of the affected units, with supporting documentation.
    - B. The emission factors used by the Permittee to determine emission of PM from the affected units when operating normally at maximum throughput, with supporting documentation and calculations.
  - ii. Records of the amount of material handled by the affected units (tons/month and tons/year).
  - iii. Records of the actual PM emissions of the affected units (tons/month and tons/year), based on operating data and applicable emission factors, with supporting calculations.
- 8. If there is a deviation from the requirements of this permit as determined by the records required by this permit or by other means, the Permittee shall submit a report to the Illinois EPA within 30 days after the deviation. The report shall include a description of the deviation, an estimate of the emissions released, a copy of the relevant records, and a description of efforts to reduce emissions from future occurrences.
- 9. Two copies of required reports and notifications concerning emissions equipment operation or performance testing shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276

Telephone: 217/782-5811      Facsimile: 217/524-4710

and one copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
412 SW Washington Street, Suite D  
Peoria, IL 61602

Telephone: 309/671-3022

Facsimile: 309/671-3024

10. The Permittee may operate the affected units under this construction permit until its CAAPP permit is next reissued to address this change. This condition supersedes Standard Condition 6.

If you have any questions on this permit, please call Kevin Hecht at 217/785-1705.

Raymond E. Pilapil  
Acting Manager, Permit Section  
Division of Air Pollution Control

Date Signed: \_\_\_\_\_

REP:KTH:jws

cc: Region 2